

SEQUENCE LISTING

<110> MIRANDA, LESLIE PHILLIP
KENT, STEPHEN B. H.

<120> WATER-SOLUBLE THIOESTER AND SELENOESTER
COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME

<130> GRFN-044

<150> 60/437,285
<151> 2002-12-30

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 56
<212> PRT
<213> Artificial Sequence

<220>
<223> GRFN-1712 peptide

<220>
<221> VARIANT
<222> (1)...(1)
<223> Cys is Acm protected

<220>
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<222> (56)...(56)
<223> Trp is bound to a thioester moiety

<400> 1
Cys Ser Leu Asn Glu Lys Ile Thr Val Pro Asp Thr Lys Val Asn Phe
1 5 10 15
Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
20 25 30
Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
35 40 45
Leu Val Lys Ser Ser Gln Pro Trp
50 55

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<220>
<223> GRFN 1712-PLP3 peptide

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<222> (1)...(1)
<223> Cys is Acm protected

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<221> VARIANT

<222> (56)...(56)

<223> Trp is bound to a thioester-PLP3-L moiety

<400> 2

Cys	Ser	Leu	Asn	Glu	Lys	Ile	Thr	Val	Pro	Asp	Thr	Lys	Val	Asn	Phe
1				5				10				15			
Tyr	Ala	Trp	Lys	Arg	Met	Glu	Val	Gly	Gln	Gln	Ala	Val	Glu	Val	Trp
				20				25				30			
Gln	Gly	Leu	Ala	Leu	Leu	Ser	Glu	Ala	Val	Leu	Arg	Gly	Gln	Ala	Leu
				35			40				45				
Leu	Val	Lys	Ser	Ser	Gln	Pro	Trp								
				50			55								

<210> 3

<211> 51

<212> PRT

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<223> GRFN 1852 peptide

<220>

<221> VARIANT

<222> (1)...(1)

<223> Cys is Acm protected

<220>

<221> VARIANT

<222> (51)...(51)

<223> Leu is bound to a thioester moiety

<400> 3

Cys	Leu	Ser	Gln	Leu	His	Ser	Gly	Leu	Phe	Leu	Tyr	Gln	Gly	Leu	Leu
1				5				10				15			
Gln	Ala	Leu	Glu	Gly	Ile	Ser	Pro	Glu	Leu	Gly	Pro	Thr	Leu	Asp	Thr
				20				25				30			
Leu	Gln	Leu	Asp	Val	Ala	Asp	Phe	Ala	Thr	Thr	Ile	Trp	Gln	Gln	Met
				35			40				45				
Glu	Glu	Leu													
		50													

<210> 4

<211> 51

<212> PRT

<213> Artificial Sequence

<220>

<223> GRFN 1852-PLP3 peptide

<220>

<221> VARIANT

<222> (1)...(1)

<223> Cys is Acm protected

<220>

<221> VARIANT

<222> (51)...(51)

<223> Leu is bound to a thioester-PLP3-Leu moiety

<400> 4

Cys	Leu	Ser	Gln	Leu	His	Ser	Gly	Leu	Phe	Leu	Tyr	Gln	Gly	Leu	Leu
1															15
Gln	Ala	Leu	Glu	Gly	Ile	Ser	Pro	Glu	Leu	Gly	Pro	Thr	Leu	Asp	Thr
															30
Leu	Gln	Leu	Asp	Val	Ala	Asp	Phe	Ala	Thr	Thr	Ile	Trp	Gln	Gln	Met
															45
Glu	Glu	Leu													
															50